

Attorney's Docket: 2003DE117
Serial No.: 10/533,475
Group: 1713
Response to Office Action Mailed 08/30/2007

Amendments to the Claims

1. (Currently Amended) A hotmelt adhesive comprising between 0.1 and 100% by weight of at least one polyolefin wax consisting of a homopolymer of propylene, or a copolymer of propylene and another olefin selected from the group consisting of ethylene, a branched or unbranched 1-alkene having 4 to 20 carbon atoms, and mixtures thereof, or a copolymer of ethylene and a branched or unbranched 1-alkene having 4 to 20 carbon atoms prepared using a metallocene catalyst and having a dropping point or ring & ball softening point of between 80 and 165°C and a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of not more than 40 000 mPa.s., wherein the at least one polyolefin wax is [[not]] without polar modification modified.
2. (Previously Presented) A hotmelt adhesive as claimed in claim 1 wherein the at least one polyolefin wax has a dropping point or ring & ball softening point of between 90 and 160°C and a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of not more than 30 000 mPa.s.
3. (Previously Presented) A hotmelt adhesive as claimed in claim 1, wherein the at least one polyolefin wax has a weight-average molar mass M_w between 1000 and 30 000 g/mol and a number-average molar mass M_n of between 500 and 20 000 g/mol.

Attorney's Docket: 2003DE117
Serial No.: 10/533,475
Group: 1713
Response to Office Action Mailed 08/30/2007

4. (Previously Presented) A hotmelt adhesive as claimed in claim 1, wherein the at least one polyolefin wax is a copolymer wax of propylene and at least one of from 0.1 to 30% by weight of ethylene and from 0.1 to 50% by weight of at least one branched or unbranched 1-alkene having 4 to 20 carbon atoms, and having a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of between 100 and 30 000 mPa.s.

5. (Previously Presented) A hotmelt adhesive as claimed in claim 1, wherein the at least one polyolefin wax is a propylene homopolymer wax having a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of between 100 and 30 000 mPa.s.

6. (Canceled)

7. (Previously Presented) A hotmelt adhesive as claimed in one claim 1, wherein the at least one polyolefin wax is a copolymer wax of ethylene and from 0.1 to 30% by weight of at least one branched or unbranched 1-alkene having 3 to 20 carbon atoms.

8. (Canceled)

Attorney's Docket: 2003DE117
Serial No.: 10/533,475
Group: 1713
Response to Office Action Mailed 08/30/2007

9. (Previously Presented) A hotmelt adhesive as claimed in claim 1, further comprising at least one of a filler or auxillary.

10. (Currently Amended) A hotmelt adhesive containing between 0.1 and 100% by weight of polyolefin [[waxes]] wax consisting of a homopolymer of propylene, or a copolymer of propylene and another olefin selected from the group consisting of ethylene, a branched or unbranched 1-alkene having 4 to 20 carbon atoms, and mixtures thereof, or a copolymer of ethylene and a branched or unbranched 1-alkene having 4 to 20 carbon atoms prepared using metallocene catalysts and having a dropping point or ring & ball softening point of between 80 and 165°C and a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of not more than 40 000 mPa.s., wherein the polyolefin waxes are without polar modification not polar modified.

11. (Currently Amended) A hotmelt adhesive comprising between 0.1 and 100% by weight of a polyolefin wax consisting of a homopolymer of propylene, or a copolymer of propylene and another olefin selected from the group consisting of ethylene , a branched or unbranched 1-alkene having 4 to 20 carbon atoms, and mixtures thereof, or a copolymer of ethylene and a branched or unbranched 1-alkene having 4 to 20 carbon atoms prepared using metallocene catalysts and having a dropping point or ring & ball softening point of between 80 and 165°C and a melt viscosity, measured at a temperature 10°C above the dropping or softening

Attorney's Docket: 2003DE117
Serial No.: 10/533,475
Group: 1713
Response to Office Action Mailed 08/30/2007

point, of not more than 40 000 mPa.s., wherein the polyolefin wax is without polar modification not polar modified.

12. (Previously Presented) Two or more substrates bonded by a hotmelt adhesive according to claim 1.

13. (Previously Presented) The two or more substrates as claimed in claim 12, wherein the substrates are selected from the group consisting of wood, paper, plastics, composites, and cellulosic materials.